

FIGURE 1

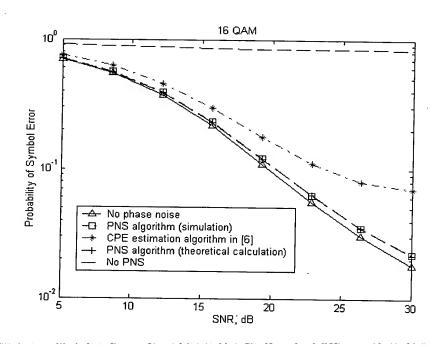


Fig. 2. PNS algorithm performance for 16QAM, with phase noise energy  $_{4\pi\beta T}$  equal to  $_{0.0384rad^2}$ 

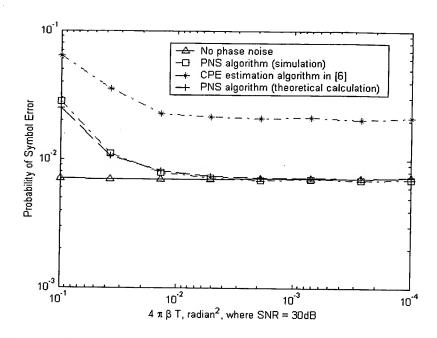


Fig.3. PNS algorithm, symbol error probability vs. phase noise energy  $4\pi\beta T$